

**Features: (typical values)**

- Output Power – ..... +23 dBm,
- NF..... 5.5 dB.
- GAIN ..... 24 dB.
- Unconditional Stability
- No external components required

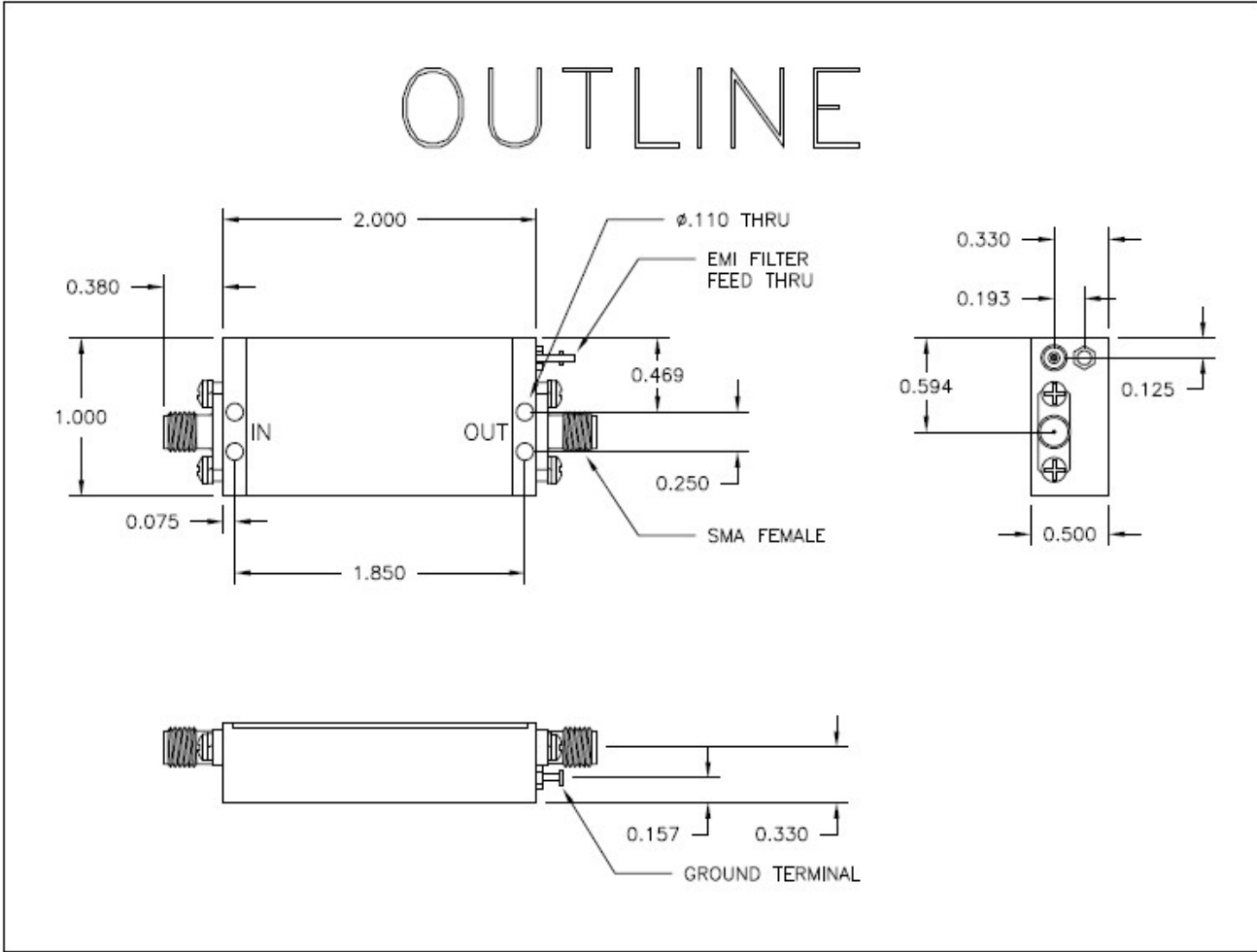
**130-3600 MHz.  
Cascade Amplifier**

**Maximum Ratings**

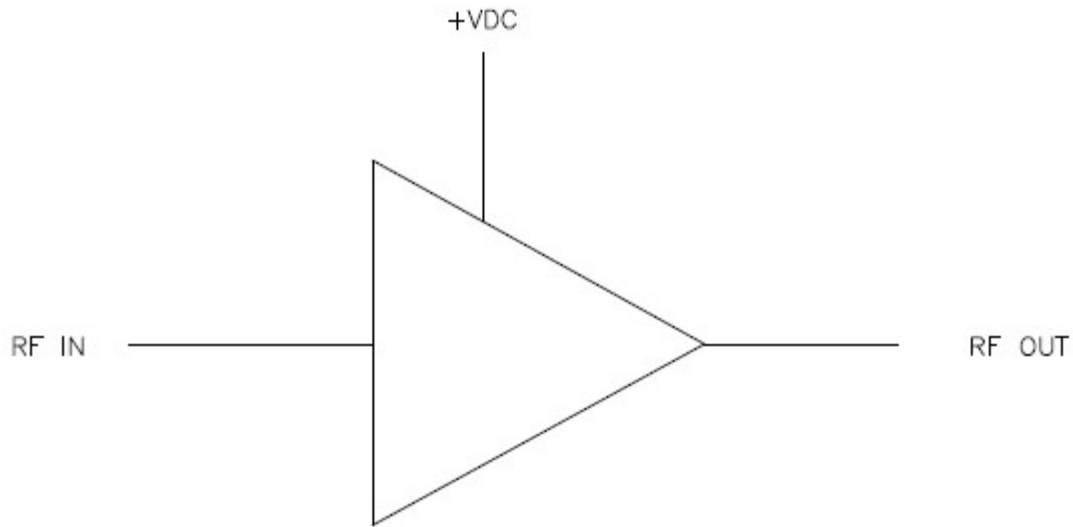
Storage temperature ..... -55°C to +125°C  
 DC Operating Voltage ..... +16.0 volts  
 RF Input Power ..... +10 dBm. Max.  
 Operating Base Temp. .... -20°C to +75°C

Specifications @ Tcase = 25°C, Vcc = 15V, 50-ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		130	3600	MHz
Gain		23	25	dB
Gain Flatness	±0.7			dB
Noise Figure	5.5			dB
Pout @ 1dB Comp	+23	+21		dBm
3rd Order ICP @ +1dbm Tone	36	35		dBm
Max Input Power			+10	dBm
VSWR In	1.5 : 1		2.0 : 1	Ratio
VSWR Out	1.5 : 1		2.0 : 1	Ratio
Operating Voltage		+15		Volts
Supply Current	500		600	mA
SMA-F Connectors				



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED